



**Minutes of the Soil Stabilisation Task Group
Promotions Committee Meeting
held at Tolleshunt Knights, on Monday 10th October 2005**

Present: Steve Foster SF British Lime Association (Chairman)
Hedley Greaves HG Buxton Lime Industries
David Jones DJ Britpave

Apologies: John Boyle JBo Geofirma

1 Minutes of previous meeting

Minutes agreed as full and correct.

2 Website

The website is now released for public viewing and can be found at the following web addresses. www.soilstabilisation.org.uk as well as a link direct from the Britpave main site www.britpave.org.uk

The Committee have reviewed the website and agreed on the following:

Keywords - the following list of keywords was agreed and will be forwarded to Marksman for inclusion in the website:

soil stabilisation, stabilization, lime, cement, fly ash, ggbs, slag, sulfate, quicklime, remediation, solidification, modification, contamination, treatment, civil engineering, drying, strength, improvement, construction, foundation, sub base, roads, runway, landfill tax, tipping charges, virgin aggregates, versatile design, capping, clay, rotovator, spreader, subgrade, car park, ground, earthworks

Address for contacts - the email address will be info@britpave.org.uk any email contacts will then be dealt with by David or Sheridan.

List of Britpave Members - The Members list will be re-named as "Useful Contacts" with the following statement at the head of the page:

"All of the contacts listed below are members of Britpave".

FAQ's Page - HG is to email SF with a list of questions and answers for the FAQ's page. SF is to raise the issue of FAQ's at the main committee meeting and request further input.

It was agreed that Sheridan would send an email circular to ALL Britpave members to advise them of the website address and content.

ACTION

SF / PM

SF / PM

SF / PM

HG / SF

DJ / SCE

3 Publications

“Basic Guide to Stabilisation” - It was agreed that a “Basic Guide to Stabilisation” will be prepared. The guide will outline what stabilisation is and why you should do it for the beginner.

HG presented a document (see appendix 1) which outlines the approach to be taken. The outputs from this work will be:

A pictorial guide booklet
Still / animated graphics for the website and presentations
An animated Cd (approx. 3 - 5 minutes)

HG is to contact Wirtgen re footage of rotovating machinery and Marksman to progress the animation work.

HG

DJ is to contact JK to establish the brief that JK is working to on behalf of TCC as it is believed that there may be some overlap.

DJ

Case Studies - DJ agreed to contact Gillian Bond at Words & Pages (W & P) to have the following changes made:

DJ

Red text “Stabilisation” to be replaced by blue or black.
Images down the right hand side of the front page to be changed for more suitable images (DJ to discuss).
The benefits (blue panel on page 2) title to be shortened to “the benefits of stabilisation” and the bullet points to be taken from the BLA promo sheet.

Any Britpave case studies will retain company references, but trade names will be replaced by generic names where necessary. DJ to circulate case study proofs to the Committee to ensure “sanitisation” prior to printing.

DJ

It was agreed that the following will be turned into Britpave case studies:

O’Keefe - Docklands Campus
O’Keefe - A6 North of Bedford
Geofirma - Commonwealth Games Stadium
Geofirma - Sainsbury’s
Con-Form - Flixborough Composting Station
McArdle - Polegate bypass
McArdle - Colchester Barracks

The case studies will be made into adobe .PDF format and included on the website

SF / PM

Further case studies are desperately needed and all members are requested to forward whatever information they have available to SF at Singleton Birch. Electronic format is preferable:

ALL

“Stabilisation Safety Guide”- It was decided following the main committee meeting that the Promotions Committee will be responsible for drafting a short document on safety guidance when working on

stabilisation sites.

Mark Jones of O'Keefe forwarded a Warnings guide to on site safety called "Can you hear Voices". It was decided to use this as a template for the Britpave document. DJ is to approach W & P to draft a Britpave document layout based on the Warnings style.

DJ / W&P

All binder suppliers, equipment suppliers and laboratories are requested to forward any safe working statements / documents and safety data sheets to SF at Singleton Birch. Electronic format is preferable.

ALL

SF will then begin to draft the document detail, which will focus on the following areas:

SF

Moving machinery
Binders - discharge operations and product safety
Flying object hazards (stones etc)
Vibration

4 Britpave Newsletter

The next Britpave newsletter is to feature the SSTG website

DJ

5 Seminars

DJ to contact TCC to discuss / confirm plans for seminars in 2006.

DJ

Any future seminars to be discussed and agreed with this committee before dates are confirmed by TCC.

TCC

6 Any Other Business

DJ advised that Technical Index (similar to Barbour Index) have approached BCA, TCC and Britpave re inclusion of literature in their index for a royalty. DJ to proceed with this.

DJ

7 Date of next meeting

Next main committee meeting on 24 January 2006 at Colas, Birmingham.

Next SSTG Promotions committee meeting date 5.30 pm on 23 January 2006

Appendix 1

'JANET AND JOHN' GUIDE TO SOIL STABILISATION

Purpose

This guide will be used for a number of different purposes.

- To use in brochures
- To use in the website as an animated illustration
- To use in an animated form to illustrate lectures with PowerPoint or similar
- To produce a publicity CD that may or may not have a commentary

Aim

The aim of this approach will be to clearly illustrate the key mechanisms that are at work during the stabilisation of soil but in a simple, appealing and light hearted way. It will also demonstrate the applications that can be adopted to solve different problems.

Method

It is envisaged that the approach will be an animated representation that follows the general sequence of steps that are usually used in treating soils but with some form of 'pop up', 'bubble' or 'zoom in' facility that can illustrate in more detail a particular aspect or reaction that is taking place. This will generally be diagrammatic but may also contain text.

Sequence

The sequence of events will be as follows.

Aspect being illustrated	Supplementary detail	Comments
View of generally poor soil that is wet, undulating and in generally poor condition.	This could cover an industrial site or a road contract.	Should demonstrate an undeveloped site with problems and could be a video of an actual site.
View of the poor soil having a layer of lime spread over it from a spreading vehicle.		This could be an animated sequence or a piece of video.
Move to animated scene of soil and lime demonstrating the hydration/drying process.	Demonstrate the chemistry involved in simple terms and Calcium ions dispersing.	
View showing a rotovators mixing the binder into the soil.		Again this could be animated or taken from video.
Zoom in view of what happens to the soil when the lime has been added.	Modification reactions shown in detail	Illustration should show clearly how the lime conditions the soil by

		drying and pulverisation.
Demonstration of the pulverisation achieved by material falling through a sieve. Also indicate the way strength improves with greater fineness.		Animated scene with material falling through a mesh with dimensions on it that will change according to the process being undertaken.
Demonstrate compaction by rolling and the few air voids in the material.	Zoom in to show the compacted soil particles and how 'stabilisation' takes place when crystals grow in the voids	Could show the crystal growing with time and strength doing likewise
Demonstrate the increased strength and greater resistance to trafficking		
Show how stronger materials can be made by re-rotovating and adding cement or ggbs.	May need to list the different binders that can be used	Use the view of the rotovator mixing the soil and adding water
Show how a better foundation can thin down the upper pavement layers	Zoom into a cross section of the pavement and how it changes as the stronger stabilised layers are used	Mention the initiatives from the Highways Agency to produce new design methods
Show some examples of the ways that soil stabilisation can be used by exploding or assembling individual layers to build up a site with the building, road or car park on it.		

Hedley Greaves
29 Sept 2005